Sustainable Energy and a Clean Environment

GOAL 3: SUSTAINABLE ENERGY AND A CLEAN ENVIRONMENT

Building a legacy of resource stewardship for the next generation of Washingtonians

GOAL TOPIC	SUSTAINABLE AND CLEAN ENERGY *Reduce our greenhouse gas emissions*			HEALTHY FISH AND WILDLIFE *Protect and restore Washington's wildlife*			CLEAN AND RESTORED ENVIRONMENT *Keep our land, water and air clean*			WORKING AND NATURAL LANDS *Use our lands responsibly*			
SUB TOPIC	CLEAN TRANSPORTATION	CLEAN ELECTRICITY	EFFICIENT BUILDINGS & INDUSTRIAL PROCESSES	SHELLFISH	PACIFIC SALMON	WILDLIFE	HEALTHY LANDS	CLEAN, COOL WATER	HEALTHY AIR	FARMLAND	FORESTS	OUTDOOR RECREATION	HABITAT PROTECTION
OUTCOME MEASURE	1.1 Reduce transportation-related greenhouse gas emissions from 44.9 mmt/year (projected 2020) to 37.5 mmt/year (1990) by 2020	1.2 Reduce greenhouse gas emissions from electrical energy consumption from 18.4 mmt/year (projected 2020) to 16.9 mmt/year (1990) by 2020	1.3 Improve non-electrical energy efficiency of buildings and industrial processes to reduce greenhouse gas emissions from 21.7 mmt/year (projected 2020) to 18.6 mmt/year (1990) by 2020	2.1 Increase improved shellfish classification acreage in Puget Sound from net increase of 3,038 acres from 2007-13 to net increase of 8,614 acres by 2016	2.2 Increase the percentage of ESA-listed salmon and steelhead populations at healthy, sustainable levels from 16% to 25% by 2022	2.3 Increase the percentage of current state listed species recovering from 28% to 35% by 2020	3.1 Increase the number of contaminated sites cleaned up by 17% from 5,815 to 6,803 by 2020	3.2 Increase the percentage of rivers meeting good water quality from 43% to 55% by 2020	3.3 Increase percent of population living where air quality meets federal standards from 92% to 100% by 2020	4.1 Increase the net statewide acreage dedicated to working farms from 7.237 million to 7.347 million by 2020,	4.2 Reduce loss of designated forests of long-term commercial significance from X to zero by 2020 *(TBD)*	4.3 Increase participation in outdoor experiences on state public recreation lands and waters 1% each year from 2012 through 2016	4.4 Reduce the rate of loss of priority habitats from 1.5% to 1.0% by 2016
LEADING INDICATORS	1.1.a. Reduce the average emissions of greenhouse gases for each vehicle mile traveled in Washington by 25% from 1.15 lbs in 2010 to 0.85 pounds in 2020	1.2.a. Increase electric load served by renewable energy from 3% to 9% by 2016 and 15% by 2020	1.3.a. Reduce non-electric fossil fuel consumption associated with residential and commercial end users from the 2010 three year average level of 165.9 trillion Btu to 140 trillion Btu in 2020	2.1.a. Increase percentage of inspections that are current for on-site sewage systems in marine recovery areas and other specially designated areas from 37% to 50% by 2016	2.2.a. Demonstrate increasing trend in Puget Sound Chinook populations from one in 2010 to five by 2016	2.3.a. Increase number of successful wolf breeding pairs from 5 to 15 by 2020	3.1.a. Increase number of contaminated brownfield sites returned to economically productive use from 476 to 641 by 2016	3.2.a. Increase the number of projects that provide stormwater treatment or infiltration from 10 to 34 by 2016	3.3.a. Decrease tons of toxic diesel soot air pollution emitted from mobile sources from 6,444 to 5,248 by 2016	4.1.a. Maintain current level of statewide acreage dedicated to working farms with no net loss through 2015	4.2.a. Increase treatment of forested lands for forest health and fire reduction from X to X by 2016	4.3.a.Increase access to public recreation lands by increasing the number of Discover Passes and daily permits sold by 1% per fiscal year from 744,000 to 774,000 passes and permits sold by 2016	4.4.a. Increase percentage of local jurisdictions that adopt priority habitats and species in local ordinances from 74% to 90% by 2018
	1.1.b. Increase the average miles per gallon (MPG) of Washington's overall passenger and light duty truck fleet from 19.2 miles per gallon (MPG) in 2010 to 23 MPG in 2020.	1.2.b. Increase electrical load growth replaced by conservation from 112.5 average megawatts as of 2010 to 155 average megawatts by 2020	1.3.b. Maintain non-electric fossil fuel consumption associated with industrial buildings and processes at or below the 2010 three year average level of 163.7 trillion Btu	2.1.b. Increase number of implemented agricultural BMPs to improve water quality in shellfish growing areas in Puget Sound, Grays Harbor, and Pacific counties from 345 in 2008 to 750 by 2016	2.2.b. Increase miles of stream habitat opened from 350 to 450 by 2016	2.3.b. Increase the 5-year running average of statewide sage-grouse population from 1,000 to 1,100 by 2017	3.1.b. Increase completion percentage of the Hanford tank waste treatment plant from 63% to 86% by 2016	3.2.b. Increase percentage of core saltwater swimming beaches meeting water quality standards from 89% to 95% by 2016	3.3.b. Increase number of woodstoves replaced with cleaner burning technologies from 2,777 to 4,000 by 2016		4.2.b. Reduce rate of loss of designated forests of long-term commercial significance from X to X by 2015	4.3.b. Increase participation in State Parks environmental education and interpretive programs from 114,000 visitors to 160,000 visitors by 2016	4.4.b. Increase hydraulic project approval compliance rate from 80% to 90% by 2016
	1.1.c. Increase the number of plug-in electric vehicles registered in Washington from 8,000 in 2013 to 50,000 by 2020.			2.1.c. Increase number of fish passage barriers corrected per year from 375 to 500 by 2016	2.2.c. Increase number of hatcheries in compliance with brood-stock management standards from 61% to 80% by 2015	2.3.c. Increase number of pygmy rabbits reintroduced to the wild annually from 103 to 200 in 2017	3.1.c. Reduce the average concentration of copper in brakes sold in the state from 7.27% to less than 0.5% by 2025, preventing the release of about 250,000 pounds of copper per year	3.2.c. Increase number of CREP sites to improve water temperature and habitat from 1,021 to 1,171 by 2015				4.3.c. Increase the number of individual fishing and hunting licenses issued from 2.020 million to 2.103 million licenses by 2016	4.4.c. Reduce annual rate of conversion of marine and freshwater riparian habitat in Puget Sound from 0.13% to 0.10% by 2016 and provide mitigation to ensure maintenance of today's habitat functions
						2.3.d. Increase amount of occupied Mazama pocket gopher habitat in Thurston County managed for conservation from 1,496 acres to 1,646 acres by 2016							4.4.d. Increase eelgrass beds in Puget Sound from 22,600 hectares to 23,730 hectares by 2016
						2.3.e. Increase number of directed southern resident killer whale vessel interaction enforcement patrols from 15 to 40 by June 2014							4.4.e. Increase the acreage of Puget Sound estuaries restored in the 16 major rivers from 2,260 acres between 2006 and 2012 to 5,028 acres by 2016

mmt: million metric tons

Btu: British thermal unit

CREP: Conservation Reserve Enhancement Program

Contributes to Puget Sound recovery

Measure under development

UPDATED

04/13/15